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PATENT ABSTRACTS OF JAPAN

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(71)Applicant : NIKON CORP

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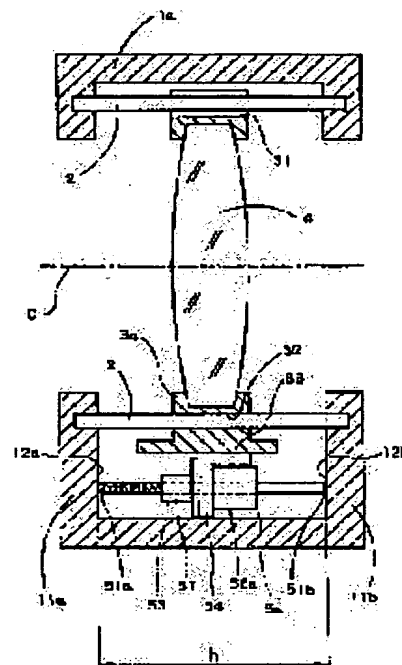
(72)Inventor : YAMAMOTO AKIRA

(54) LENS DRIVING MECHANISM

(57)Abstract:

PROBLEM TO BE SOLVED: To accurately move a lens in an optical axis direction though the number of parts is reduced and the device is not assembled with high accuracy.

SOLUTION: A motor 5a where both ends 51a and 51b of a rotor shaft 51 are projecting from a motor casing 56a, a male screw is formed on the rotor shaft 51, a nut member 53 in which the rotor shaft 51 is screwed is fixed in the motor casing 56a, and the rotor shaft 51 is advanced and retreated while it is rotated is used as a motor for driving a lens frame. A surface 12a coming into contact with the 1st end 51a of the rotor shaft 51 and a surface 12b coming into contact with the 2nd end 51b of the rotor shaft 51 are formed in a fixed barrel 1a. In the motor 5, the rotor shaft 51 is nearly parallel with an optical axis C, and the motor casing 56a is fixed in a lens frame 3a in a state where the rotor shaft 51 is put between the surfaces 12a and 12b of the fixed barrel 1a.



LEGAL STATUS

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